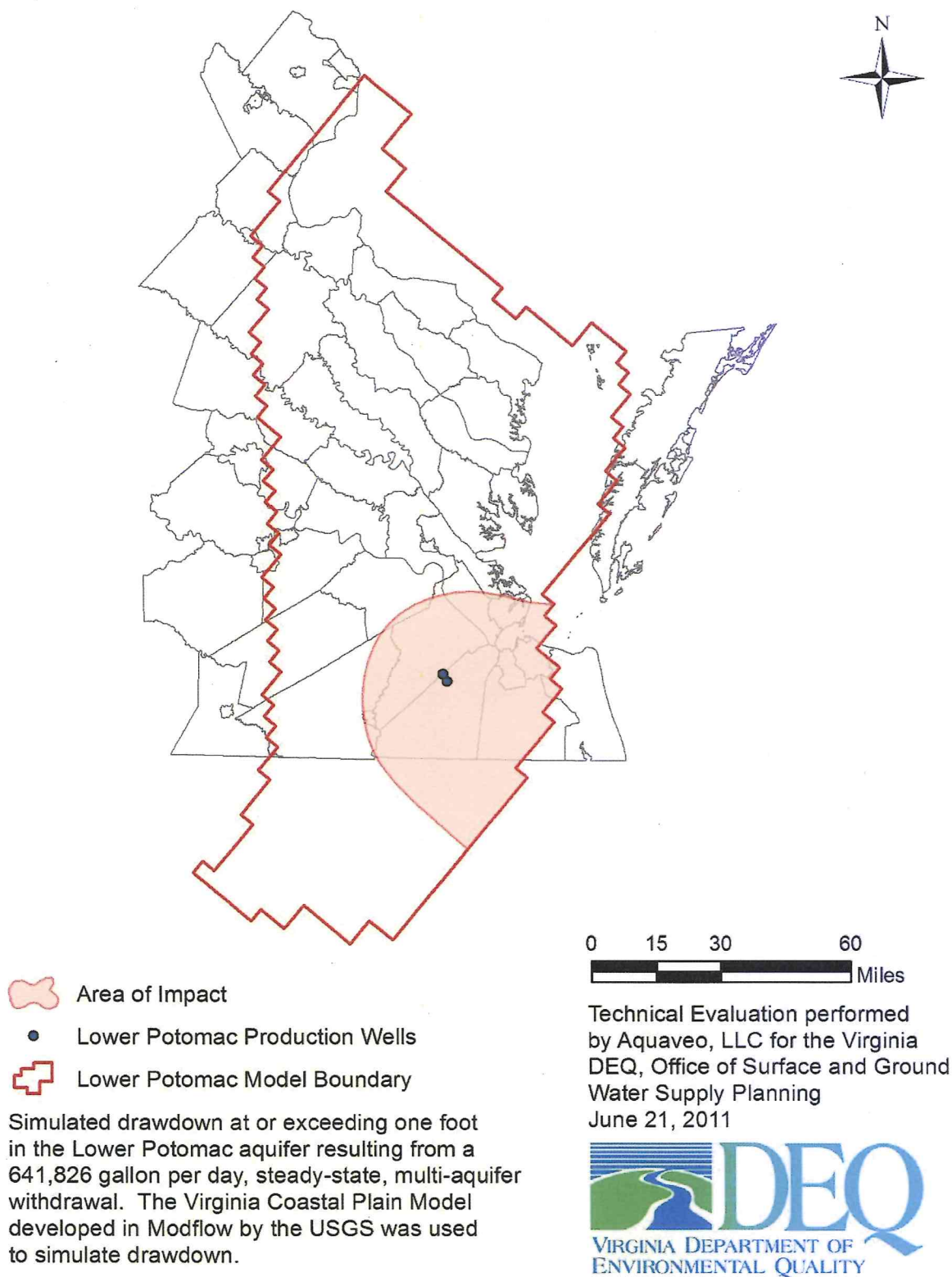


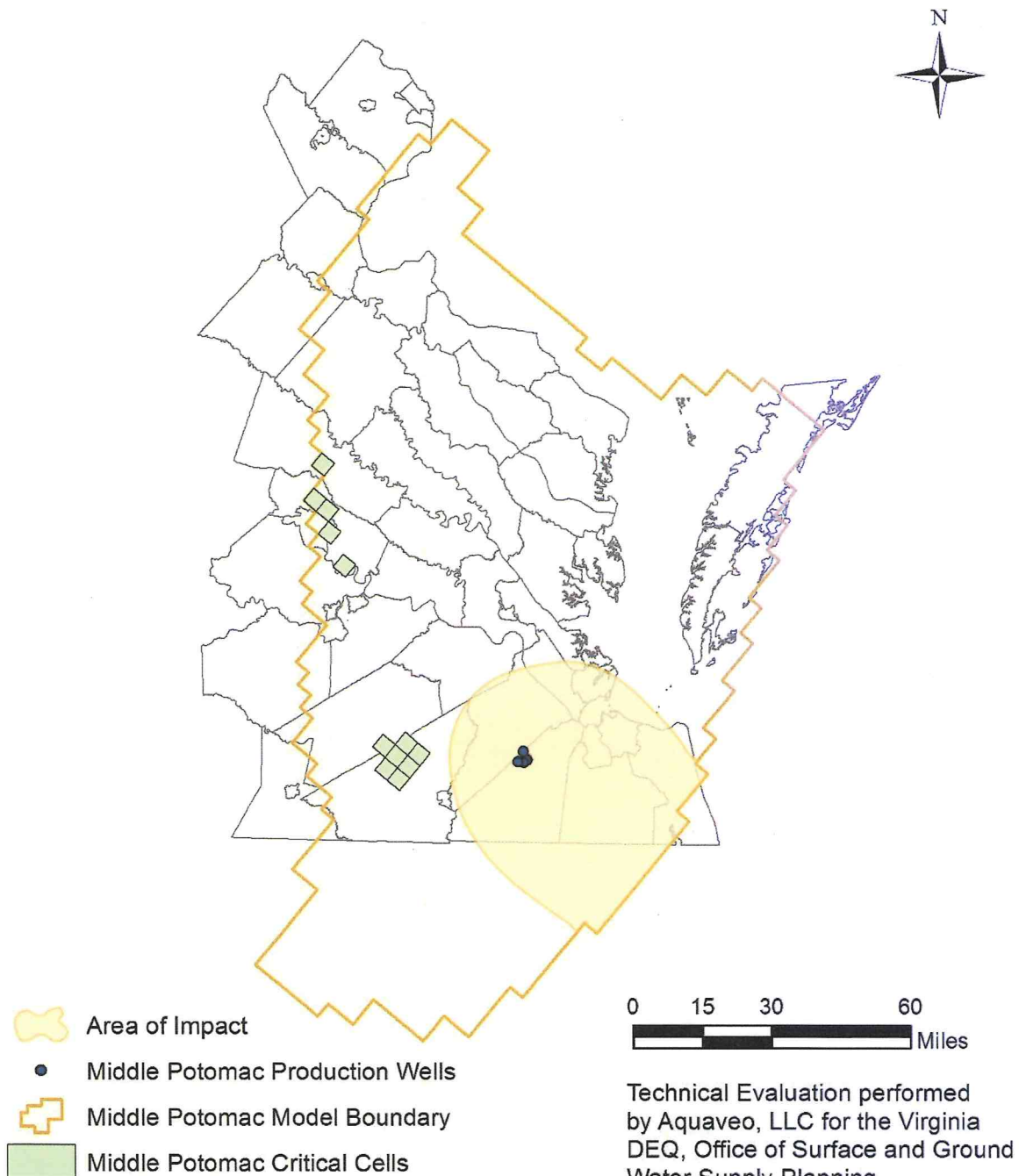
City of Norfolk

Stabilized Area of Impact - Lower Potomac Aquifer



City of Norfolk

Stabilized Area of Impact - Middle Potomac Aquifer



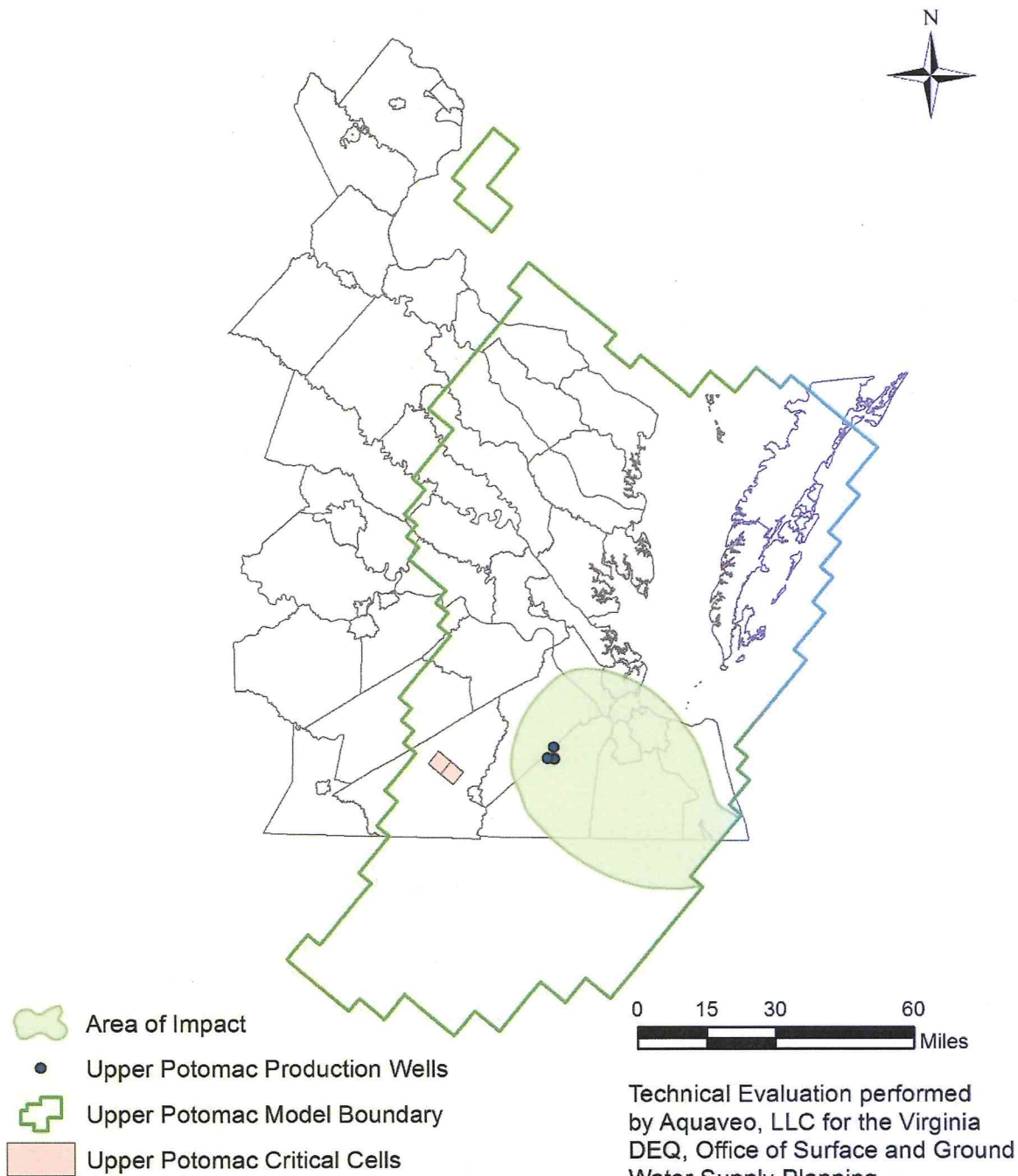
Simulated drawdown at or exceeding one foot in the Middle Potomac aquifer resulting from a 641,826 gallon per day, steady-state, multi-aquifer withdrawal. The Virginia Coastal Plain Model developed in Modflow by the USGS was used to simulate drawdown.

Technical Evaluation performed
by Aquaveo, LLC for the Virginia
DEQ, Office of Surface and Ground
Water Supply Planning
June 21, 2011



City of Norfolk

Stabilized Area of Impact - Upper Potomac Aquifer



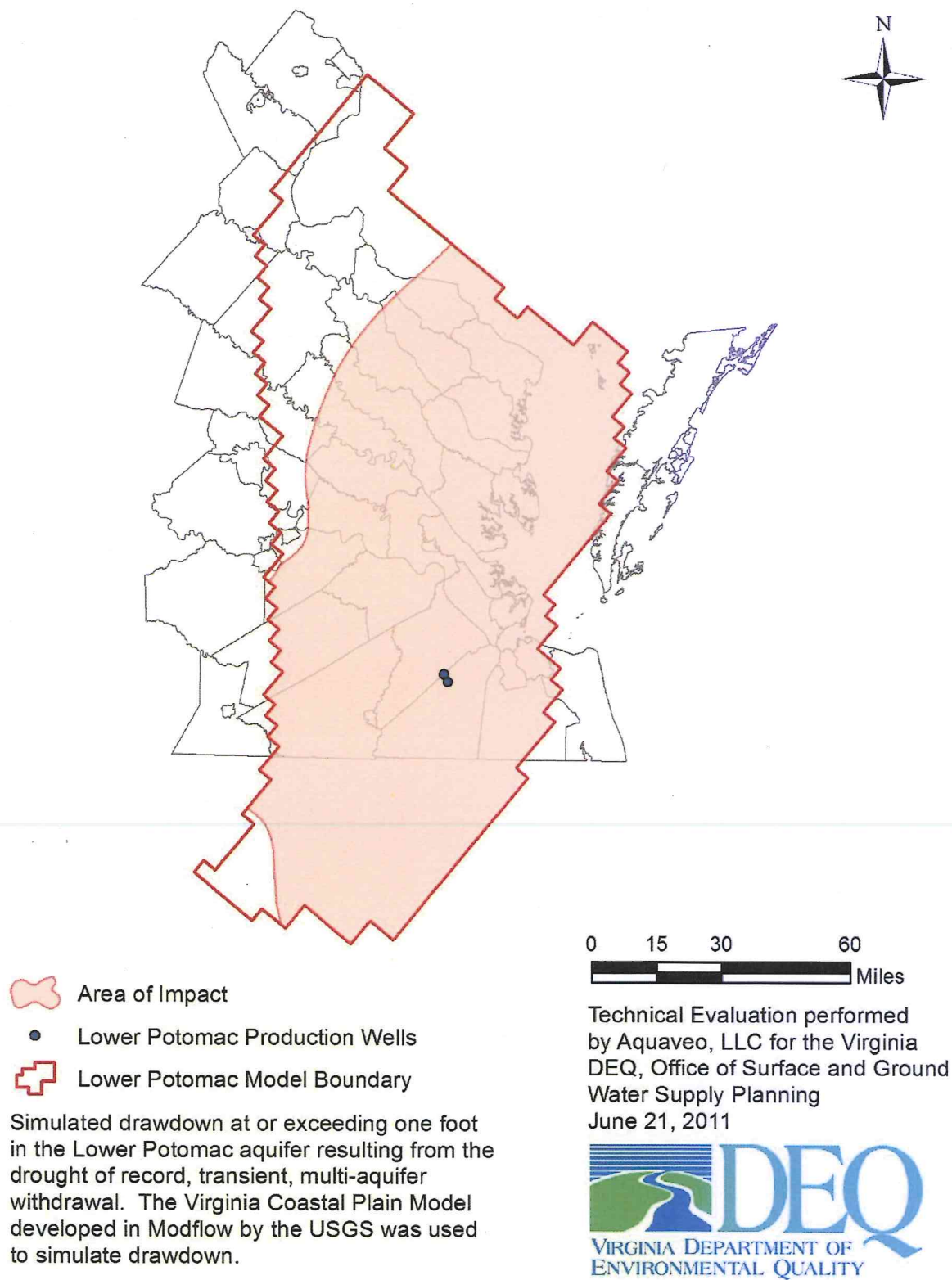
Simulated drawdown at or exceeding one foot in the Upper Potomac aquifer resulting from a 641,826 gallon per day, steady-state, multi-aquifer withdrawal. The Virginia Coastal Plain Model developed in Modflow by the USGS was used to simulate drawdown.

Technical Evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning
June 21, 2011



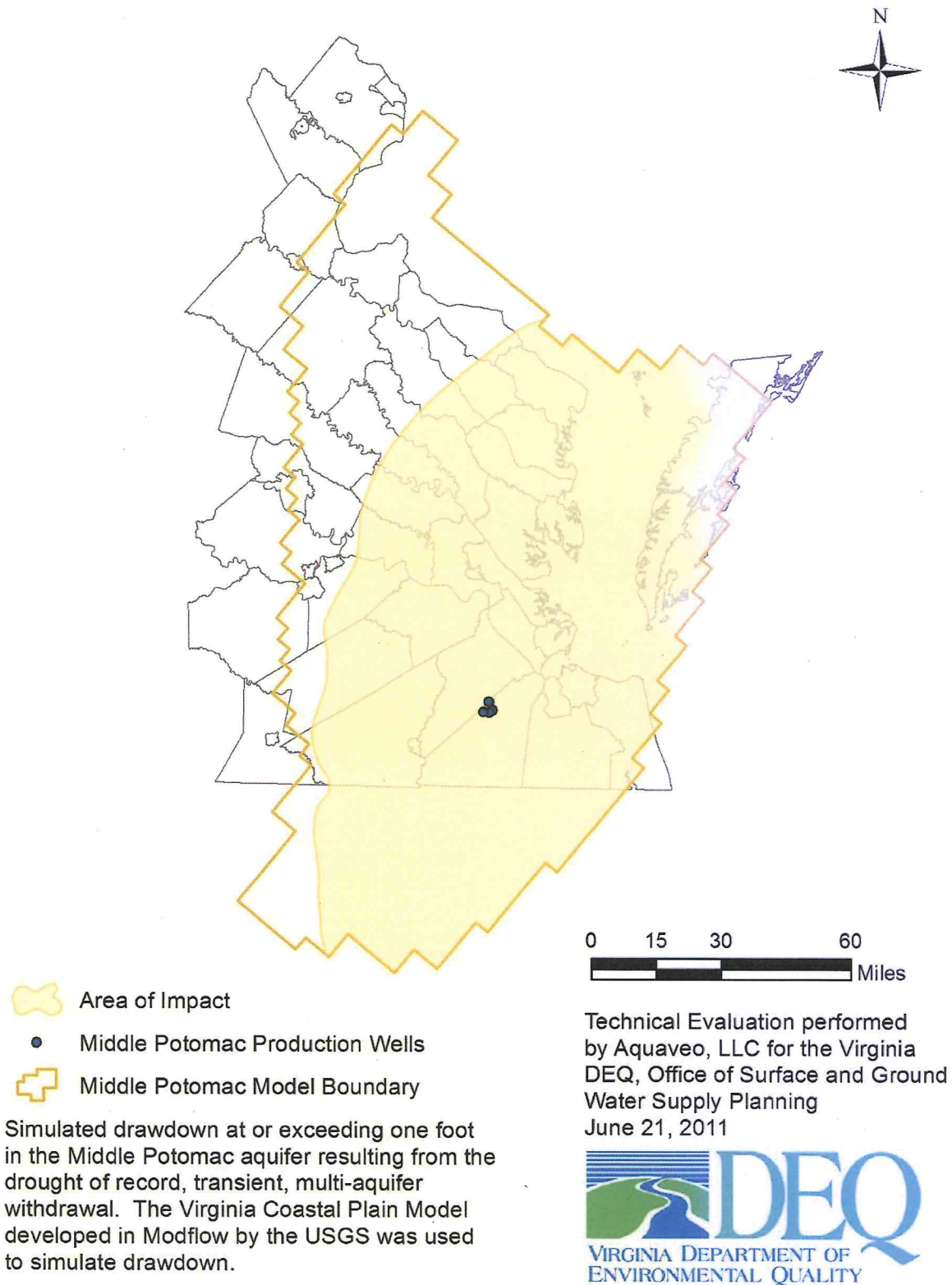
City of Norfolk

Mitigation Area of Impact - Lower Potomac Aquifer



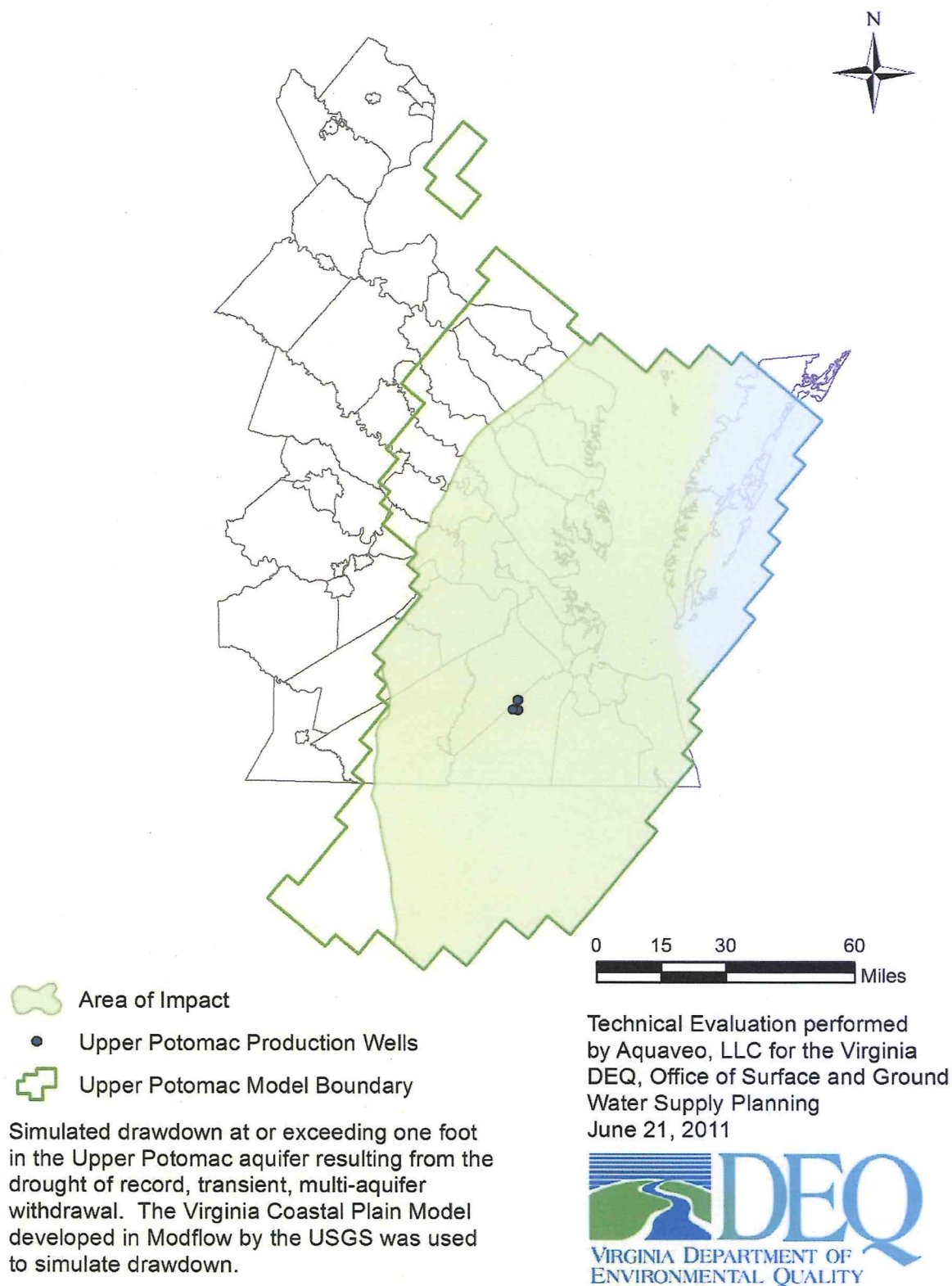
City of Norfolk

Mitigation Area of Impact - Middle Potomac Aquifer



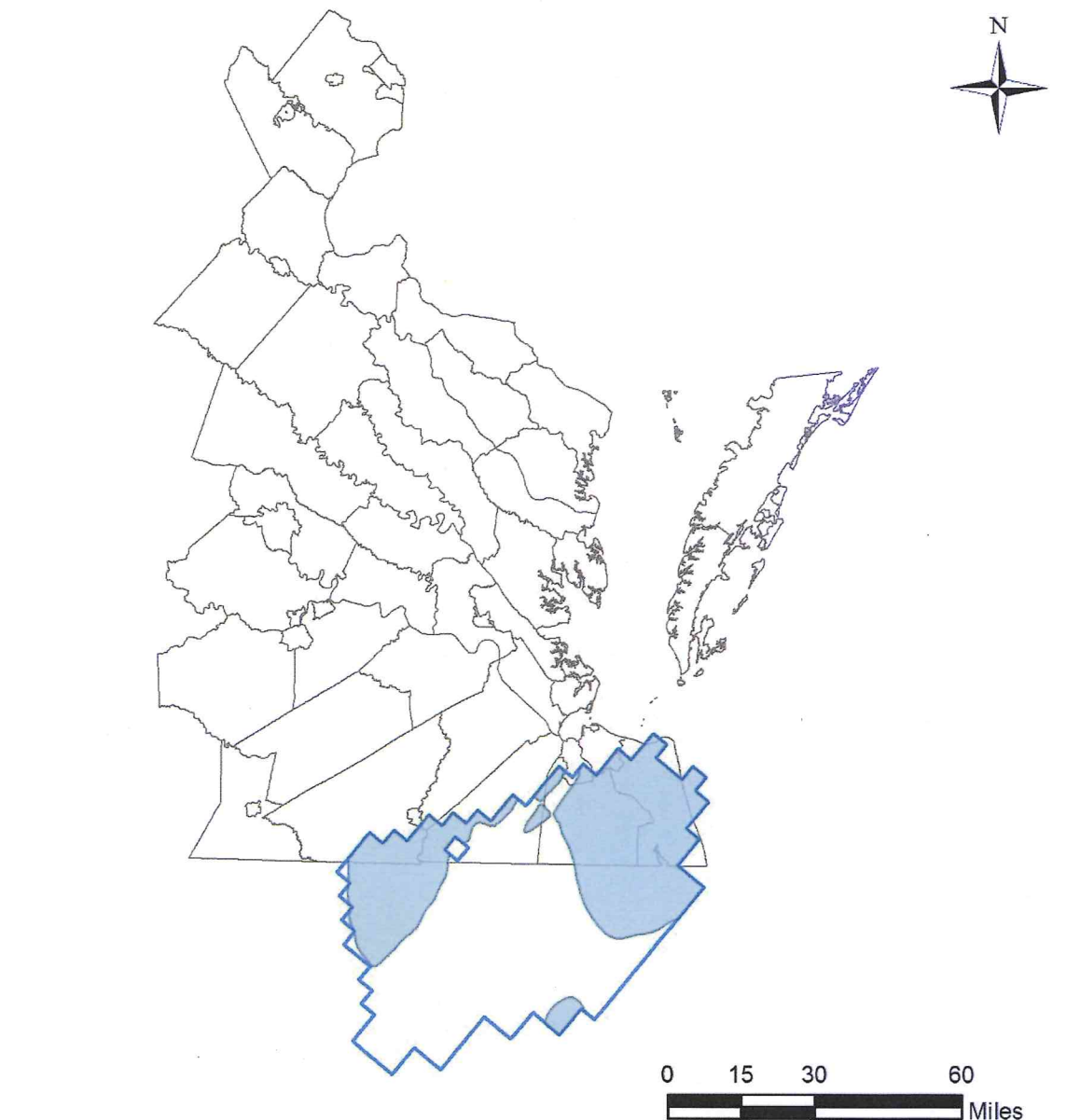
City of Norfolk



Mitigation Area of Impact - Upper Potomac Aquifer



City of Norfolk

Mitigation Area of Impact - Virginia Beach Aquifer



-  Area of Impact
-  Virginia Beach Model Boundary

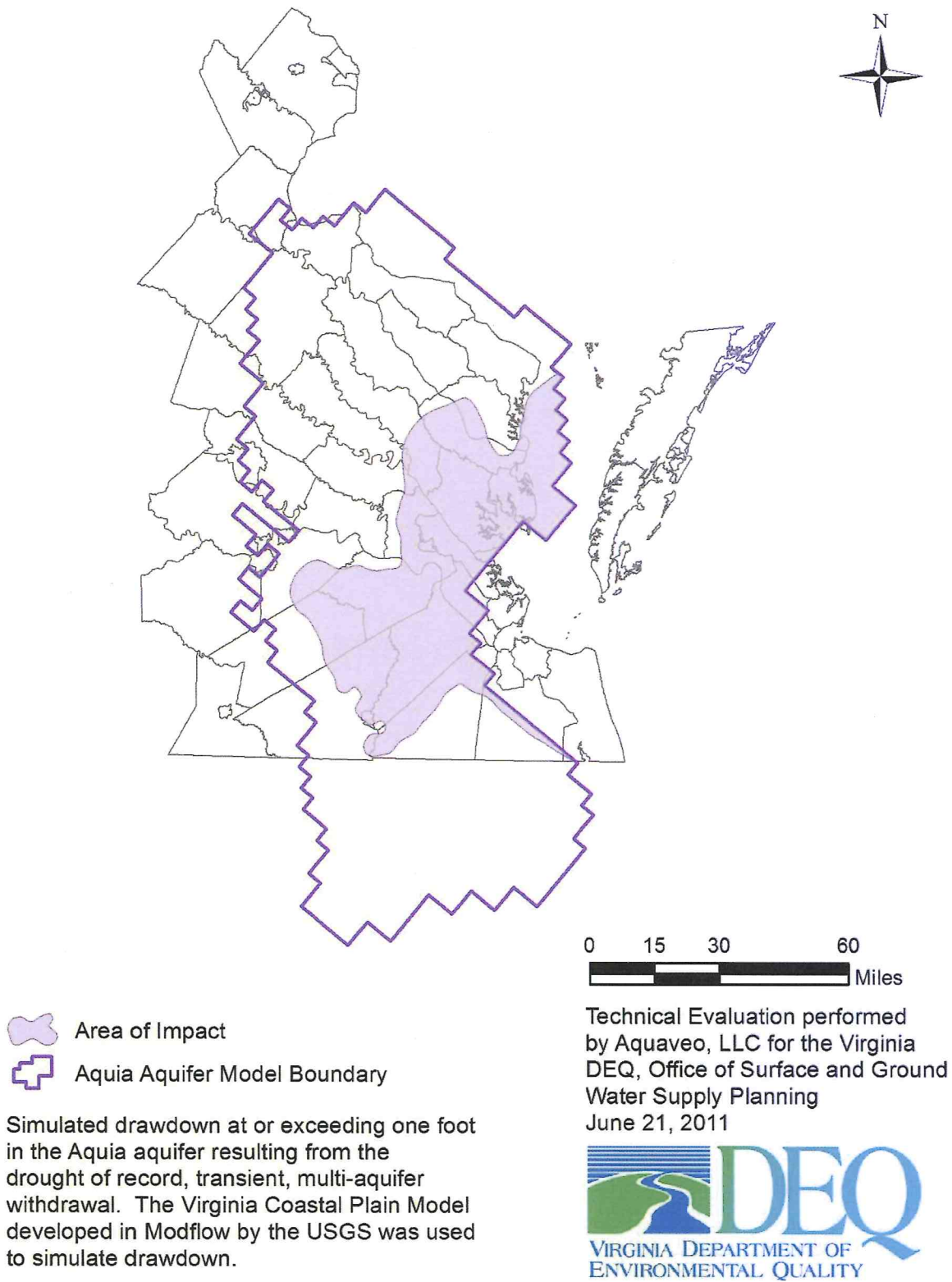
Simulated drawdown at or exceeding one foot in the Virginia Beach aquifer resulting from the drought of record, transient, multi-aquifer withdrawal. The Virginia Coastal Plain Model developed in Modflow by the USGS was used to simulate drawdown.

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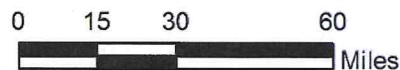
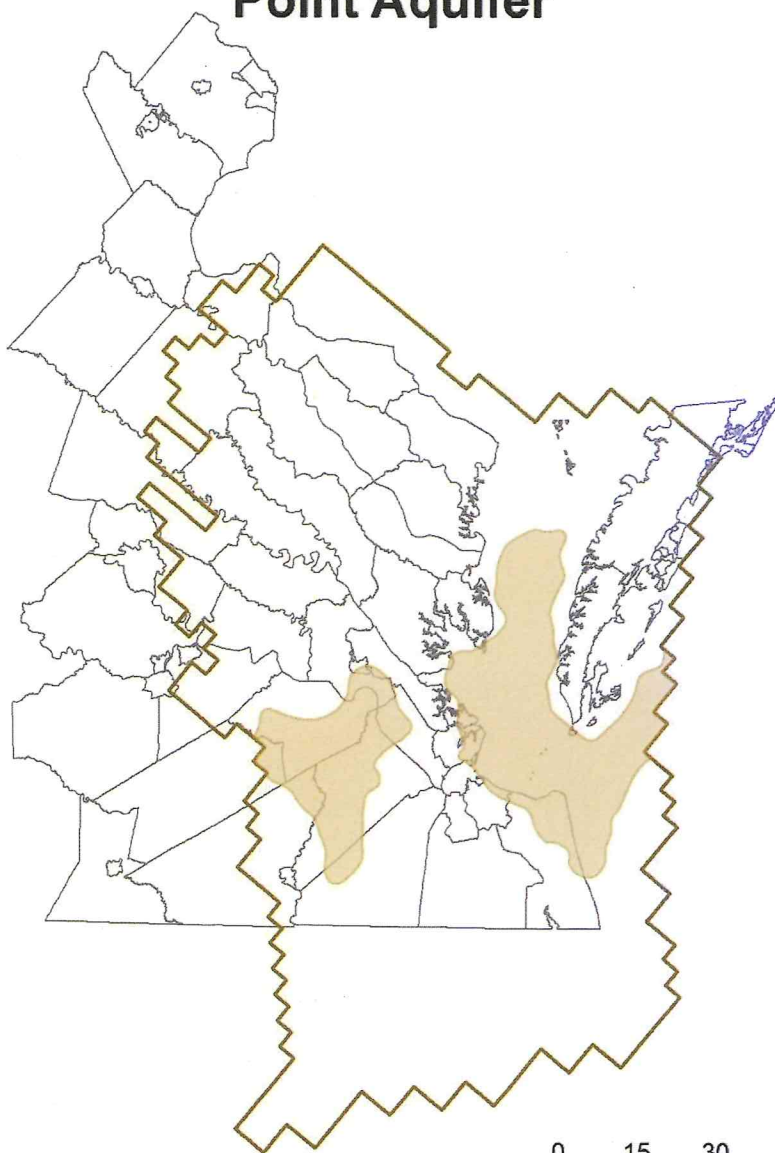
City of Norfolk

Mitigation Area of Impact - Aquia Aquifer



City of Norfolk

Mitigation Area of Impact - Chickahominy-Piney Point Aquifer



-  Area of Impact
-  Chickahominy-Piney Point Model Boundary

Simulated drawdown at or exceeding one foot in the Chickahominy-Piney Point aquifer resulting from the drought of record, transient, multi-aquifer withdrawal. The Virginia Coastal Plain Model developed in Modflow by the USGS was used to simulate drawdown.

Technical Evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning
June 21, 2011

